

[illegible]

## PTB Domain

**B.**

```

      .81                .82                .83
IRS-1148 DTGPGPAFKEVWVOVLKPKKGLGTQKNLIGIYRLCLTSNIFSVKLNSEA
|||. :. :. :. ||| ..... | : |||..... : ..
FRS-2   11 DTVPD.NHRNKFKVI....NVDDGNELGSGVMELTDTTELILYTRKRD..
      .84                .85                .86                .87
IRS-1198 AVVLQLMNIIRRCGHSENEFFIEVGSAVTGPGEFWMO.....
|||. :. :. :. |||..... | : |||..... | : |||.....
FRS-2   54 SVKKWHYLCLRRYGYSNLFSFESGRRCQTGGIFAFKCARAEELFNMLQE
      .81
IRS-1 235 .....VDDSVVAONMHETILEAMRAMSDEFRP
|||. :. :. :. |||..... | : |||..... | : |||.....
FRS-2 104 IMONNSINVVEEPVERSSSHQTELEVPRTPTPTTP

```



APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

# FIG. 1

A.

PTB DOMAIN

1 MGSCCSCPDKDTVPDNHRNKFKVINVDDDGNELGSGVMELTDTLILYTR  
51 KRDSVKWHYLCLRRYGYDSNLFESGRRQCQTGGIFAFKCARAEELFNM  
101 LQEIMQNNNSINVVEEPVVERSSHQTELEVPRTPTPTTPGLGAQNLNGY  
151 PRYPSTFGDASSHPSSRHPSVGSARLPSVGEESTHPLLVAEEQVHTYVNTT  
201 GVQEERKNRASVHVPPPEARVSNAESNTPKEEPSNPEDRDPQVLLKPEGVR  
251 FVLGPTPVQQLMEKEKLEQLGKDPVSGSGAGNTEWDTGYDSDERRDVP  
301 VNKLVEENINGLSIPSASGVRRGRLTSTSTSDTQNNNSAQRRLALLNYE  
351 NLPSLPPVWEARKLSRDEDDNLGPKTPSLNGYHNNLDPMHNYVNTENVTV  
401 PASAHKIDYSKRRDCTPTVFNFDIRPSLEHRQLNYIQVDLEGGSDSDNP  
451 QTPKPTTTPLPQTPTRRTELYAVIDIERTAAMSNLQKALPRDDGTSRKTR  
501 HNSTDLP

B.

IRS-1148 DTGPGPAFK  $\beta 1$  EVWOVI KPKG LGQTKNLI  $\beta 2$  GIYRLCLTSK  $\beta 3$  TISFVKLNSEAA  
FRS-2 11 DTVPD.NHRNKFKVI....NVDDDGNELGSGVMELTDTLILYTRKRD..  
IRS-1198  $\beta 4$  AVVLQ LLMN  $\beta 5$  IRRCGHSE  $\beta 6$  NFFIEVGRSAVTGP  $\beta 7$  GEFWMO.....  
FRS-2 54 SVKWHYLCLRRYGYDSNLFESGRRQCQTGGIFAFKCARAEELFNM LQE  
IRS-1235 .....VDDSVVAQNMHETILEAMRAMSDEFRP  
FRS-2104 IMQNNNSINVVEEPVVERSSHQTELEVPRTPTPTTP